

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

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JUN 29 2007

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) An image processing apparatus, comprising:

a playback section for playing back image data;

a transmission section for transmitting the played back image data to a reception apparatus through a predetermined transmission line;

said reception apparatus having a temporary store to temporarily store the played back image data transmitted thereto; and

a control section for controlling, when an instruction to temporarily stop the playback of the image data is received, said playback section and said transmission section to stop the playback and the transmission of the image data, respectively, and further controlling said transmission section to transmit a message representing that the playback of the image data is temporarily stopped to said reception apparatus through said transmission line, wherein the image data stored in said temporary store is repetitively read out while said playback and transmission sections are stopped.

wherein the control section establishes on said transmission line, a first channel for transmission of said image data and a second channel for transmission of said message.

2. (Original) An image processing apparatus according to claim 1, wherein, when an instruction to cancel the temporary stop is received, said control section controls said playback

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

section and said transmission section to resume the playback and the transmission of the image data, respectively, and further controls said transmission section to transmit a message representing that the playback of the image data is resumed to said reception apparatus through said transmission line.

3. (Original) An image processing apparatus according to claim 1, wherein said transmission section transmits the image data also to an additional reception apparatus or apparatuses through said transmission line.

4. (Previously Presented) An image processing apparatus according to claim 1, wherein said transmission line can be a wired transmission medium which complies with the IEEE 1394 standard or a wireless transmission medium.

5. (Currently Amended) An image processing method, comprising:
a playback step of playing back image data;
a transmission step of transmitting the played back image data to a reception apparatus through a predetermined transmission line;
a temporary storage step of temporarily storing the played back image data transmitted to the reception apparatus;
a control step of stopping, when an instruction to temporarily stop the playback of the image data is issued, the playback of the image data by the playback step and the transmission of the image data by the image transmission step; and a message transmission step of transmitting a

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

message representing that the playback of the image data is temporarily stopped to said reception apparatus through said transmission line, and

a repetitive read out step of repetitively reading out the image data temporarily stored at the reception apparatus while the playback and transmission of the image data are temporarily stopped;

wherein the control step establishes on said transmission line, a first channel for transmission of said image data and a second channel for transmission of said message.

6. (Currently Amended) A recording medium on which a program to be executed by a computer is recorded, the program comprising:

a playback step of playing back image data;

a transmission step of transmitting the played back image data to a reception apparatus through a predetermined transmission line;

a temporary storage step of temporarily storing the played back image data transmitted to the reception apparatus;

a control step of stopping, when an instruction to temporarily stop the playback of the image data is issued, the playback of the image data by the playback step and the transmission of the image data by the image transmission step; and

a message transmission step of transmitting a message representing that the playback of the image data is temporarily stopped to said reception apparatus through said transmission line, and

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

a repetitive read out step of repetitively reading out the image data temporarily stored at the reception apparatus while the playback and transmission of the image data are temporarily stopped;

wherein the control step establishes on said transmission line, a first channel for transmission of said image data and a second channel for transmission of said message.

7. (Currently Amended) An image processing apparatus, comprising:

a reception section for receiving played back image data transmitted thereto from a transmission apparatus through a predetermined transmission line;

a storage section having a storage capacity at least for one screen for temporarily storing the played back image data received by said reception section;

a display apparatus to display the image data temporarily stored in said storage section;

and

a control section for controlling a display apparatus to display the image data received by said reception section and controlling, when a message representing that playback of the image data is temporarily stopped is received through said transmission line, said display apparatus to repetitively read out and display the image data temporarily stored in said storage section,

wherein said image data is received on a first channel of said transmission line and said message is received on a second channel of said transmission line.

8. (Previously Presented) An image processing apparatus according to claim 7, wherein, when a message representing that the playback of the image data is resumed is received through

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

said transmission line, said control section controls said display section to display the image data received thereafter by said reception section, and
wherein said control section supervises the second channel for delivery of said message.

9. (Original) An image processing apparatus according to claim 7, whercin said storage section has a storage capacity for one screen.

10. (Previously Presented) An image proccsing apparatus according to claim 7, wherein said transmission line can be a wired transmission medium which complies with the IEEE 1394 standard or a wireless transmission medium.

11. (Currently Amended) An image processing method, comprising:
a reception step of receiving played back image data transmitted thereto from a transmission apparatus through a predetermined transmission line;
a storage step of temporarily storing the played back image data received by the reception step;
a display step of displaying the temporarily stored image data; and
a control step of controlling a display apparatus to display the image data received by the reception step and controlling, when a message representing that playback of the image data is temporarily stopped is received through said transmission line, said display apparatus step to repetitively read out and display the temporarily stored image data stored by the storage step,
wherein said image data is received on a first channel of said transmission line and said message is received on a second channel of said transmission line.

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

12. (Currently Amended) A recording medium on which a program to be executed by a computer is recorded, the program comprising:

a reception step of receiving played back image data transmitted thereto from a transmission apparatus through a predetermined transmission line;

a storage step of temporarily storing the played back image data received by the reception step;

a display step of displaying the temporarily stored image data; and

a control step of controlling a display apparatus to display the image data received by the reception step and controlling, when a message representing that playback of the image data is temporarily stopped is received through said transmission line, said display apparatus step to repetitively read out and display the temporarily stored image data stored by the storage step,

wherein said image data is received on a first channel of said transmission line and said message is received on a second channel of said transmission line.

13. (Currently Amended) An image processing apparatus, comprising:

a transmission apparatus for playing back image data and transmitting the image data through a predetermined transmission line; and

a reception apparatus for receiving the image data transmitted thereto from said transmission apparatus through said transmission line;

said transmission apparatus including a playback section for playing back image data, a transmission section for transmitting the played back image data to said reception apparatus through said predetermined transmission line, and a control section for controlling, when an

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

instruction to temporarily stop the playback of the image data is received, said playback section and said transmission section to stop the playback and the transmission of the image data, respectively, and further controlling said transmission section to transmit a message representing that the playback of the image data is temporarily stopped to said reception apparatus through said transmission line,

wherein the control section establishes on said transmission line, a first channel for transmission of said image data and a second channel for transmission of said message;

said reception apparatus including a reception section for receiving the played back image data transmitted thereto from said transmission apparatus through said predetermined transmission line, a storage section having storage capacity at least for one screen for temporarily storing the played back image data received by said reception section, and a control section for controlling a display apparatus to display the image data ~~received by said reception section~~ temporarily stored in said storage section and controlling, when a message representing that playback of the image data is temporarily stopped is received through said transmission line, said display apparatus to repetitively read out and display the image data temporarily stored in said storage section.

14. (Currently Amended) An image processing apparatus, comprising:

a playback section for playing back image data;
a transmission section for transmitting the played back image data to a reception apparatus through a predetermined network;

said reception apparatus having a temporary store to temporarily store the played back image data transmitted thereto; and

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

a control section for controlling, when a message representing that an instruction to temporarily stop the playback of the image data is issued through said network, said transmission section to stop the transmission of the image data, and for controlling said reception apparatus to repetitively read out from said temporary store the temporarily stored image data while said playback of said image data is stopped,

wherein the control section establishes a first channel on a predetermined transmission line for transmission of said image data and a second channel on said transmission line for transmission of said message.

15. (Original) An image processing apparatus according to claim 14, wherein, when a message representing that an instruction to cancel the temporary stop is received through said network, said control section controls said transmission section to resume the transmission of the image data.

16. (Previously Presented) An image processing apparatus according to claim 14, wherein said network can be a wired network which complies with the IEEE 1394 standard or a wireless network.

17. (Original) An image processing apparatus according to claim 14, wherein said playback section plays back the image data and said transmission section transmits the image data in response to a request from each of said reception apparatus and an additional reception apparatus or apparatuses.

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

18. (Currently Amended) An image processing method, comprising:
a playback step of playing back image data;
a transmission step of transmitting the played back image data to a reception apparatus through a predetermined network;

a storage step of temporarily storing the played back image data that is transmitted to said reception apparatus; and

a control step of stopping, when a message representing that an instruction to temporarily stop the playback of the image data is issued through said network, the transmission of the image data by the transmission step, and for causing the temporarily stored image data to be repetitively read out while the playback of said image data is stopped,

wherein the control step establishes a first channel on a predetermined transmission line for transmission of said image data and a second channel on said transmission line for transmission of said message.

19. (Currently Amended) A recording medium on which a program to be executed by a computer is recorded, the program comprising:

a playback step of playing back image data;
a transmission step of transmitting the played back image data to a reception apparatus through a predetermined network;
a storage step of temporarily storing the played back image data that is transmitted to said reception apparatus; and

a control step of stopping, when a message representing that an instruction to temporarily stop the playback of the image data is issued through said network, the transmission of the image

U.S. Appn. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

data by the transmission step, and for causing the temporarily stored image data to be repetitively read out while the playback of said image data is stopped.

wherein the control step establishes a first channel on a predetermined transmission line for transmission of said image data and a second channel on said transmission line for transmission of said message.

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JUN 29 2007

20. (Currently Amended) An image processing apparatus, comprising:

a reception section for receiving played back image data transmitted thereto from a transmission apparatus through a predetermined network;

a storage section having a storage capacity at least for one screen for temporarily storing the played back image data received by said reception section;

a display apparatus for displaying the image data received by said reception section and temporarily stored in said storage section;

a transmission section for transmitting, when an instruction to temporarily stop the playback of the image data is received, a message representing the reception of the instruction to said transmission apparatus through said network; and

a display control section for controlling, when the instruction to temporarily stop the playback of the image data is received, said display apparatus to repetitively read out and display the image data temporarily stored in said storage section,

wherein said image data is received on a first channel of a predetermined transmission line and said instruction is received on a second channel of said transmission line.

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

21. (Original) An image processing apparatus according to claim 20, wherein, when an instruction to resume the playback of the image data is received, said transmission section transmits a message representing that the instruction to resume the playback of the image data is received to said transmission apparatus through said network, and said display control section controls said display apparatus to display the image data received thereafter by said reception section.

22. (Original) An image processing apparatus according to claim 20, wherein said storage section has a storage capacity at least for one screen.

23. (Previously Presented) An image processing apparatus according to claim 20, wherein said network can be a wired network which complies with the IEEE 1394 standard or a wireless network.

24. (Currently Amended) An image processing method, comprising:
a reception step of receiving played back image data transmitted thereto from a transmission apparatus through a predetermined network;
a storage step of temporarily storing the played back image data received by the reception step into a storage section having a storage capacity at least for one screen;
a display step of displaying the received and temporarily stored image data received by the reception step on a display apparatus;

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

a transmission step of transmitting, when an instruction to temporarily stop the playback of the image data is received, a message representing the reception of the instruction to said transmission apparatus through said network; and

a display control step of ~~controlling causing~~, when the instruction to temporarily stop the playback of the image data is received, ~~said display apparatus to the repetitive read out and display of the image data temporarily stored in said storage section,~~

wherein said image data is received on a first channel of a predetermined transmission line and said instruction is received on a second channel of said transmission line.

25. (Currently Amended) A recording medium on which a program to be executed by a computer is recorded, the program comprising:

a reception step of receiving played back image data transmitted thereto from a transmission apparatus through a predetermined network;

a storage step of temporarily storing the played back image data received by the reception step into a storage section having a storage capacity at least for one screen;

a display step of displaying the received and temporarily stored image data received by the reception step on a display apparatus;

a transmission step of transmitting, when an instruction to temporarily stop the playback of the image data is received, a message representing the reception of the instruction to said transmission apparatus through said network; and

a display control step of ~~controlling causing~~, when the instruction to temporarily stop the playback of the image data is received, ~~said display apparatus to the repetitive read out and display of the image data temporarily stored in said storage section,~~

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

wherein said image data is received on a first channel of a predetermined transmission line and said instruction is received on a second channel of said transmission line.

26. (Currently Amended) An image processing apparatus, comprising:

a transmission apparatus for playing back image data and transmitting the image data through a predetermined network; and

a reception apparatus for receiving the image data transmitted thereto from said transmission apparatus through said network;

said transmission apparatus including a playback section for playing back image data, a transmission section for transmitting the played back image data to said reception apparatus through said predetermined network, and a control section for controlling, when a message representing that an instruction to temporarily stop the playback of the image data is issued through said network, said transmission section to stop the transmission of the image data,

wherein the control section establishes a first channel on a predetermined transmission line for transmission of said image data and a second channel on said transmission line for transmission of said message;

said reception apparatus including a reception section for receiving the played back image data transmitted thereto from said transmission apparatus through said predetermined network, a storage section having a storage capacity at least for one screen for temporarily storing the played back image data received by said reception section, a display section for displaying the image data received by said reception section, a transmission section for transmitting, when an instruction to temporarily stop the playback of the image data is received, a message representing the reception of the instruction to said transmission apparatus through

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

said network, and a display control section for controlling, when the instruction to temporarily stop the playback of the image data is received, said display apparatus to repetitively read out and display the image data temporarily stored in said storage section.

27. (Currently Amended) An audio/video processing apparatus connected to a network, comprising:

a reception section operable to receive played back audio/video contents transmitted on a predetermined transmission line thereto from a transmission apparatus through a network;

a storage section having a storage capacity at least for one screen for temporarily storing the played back audio/video contents received by said reception section;

a playback apparatus to play back the audio/video contents temporarily stored in said storage section; and

a control section operable to controlling acontrol said playback apparatus to play back play back said audio/video contents received by said reception section and controlling to control, when a message representing that playback of the audio/video contents is temporarily stopped is received through said transmission line, said playback apparatus to repetitively play back and display the audio/video contents stored in said storage section,

wherein said image data is received on a first channel of said transmission line and said message is received on a second channel of said transmission line.

28. (Currently Amended) An audio/video processing apparatus connected to a network, comprising:

RECEIVED
CENTRAL FAX CENTERU.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

JUN 29 2007

PATENT
450100-03401

a reception section operable to receiving receive played back audio/video contents transmitted thereto from a transmission apparatus through a network;

a storage section having a storage capacity for at least one screen for temporarily storing the played back audio/video contents received by said reception section; and

a playback apparatus to play back the audio/video contents temporarily stored in said storage section; and

a control section operable to controlling a control said playback apparatus to play back said audio/video contents received by said reception section and controlling to control, when a message representing a pause mode is received through a transmission line, said playback apparatus to repetitively play back and display the audio/video contents stored in said storage section bascd on the message representing a pause mode,

wherein said image data and said message are received through different channels on said transmission line.

29. (Previously Presented) The audio/video processing apparatus according to claim 28, wherein said image data and said message are separately sent through said transmission line.

30. (Previously Presented) The audio/video processing apparatus according to claim 29, wherein said control section establishes a first channel for transmission of said image data and a second channel for transmission of said message.

U.S. Appln. No. 09/920,104
Reply to Office Action dated April 3, 2007

PATENT
450100-03401

31. (Currently Amended) An audio/video processing method, comprising:

a reception step of receiving played back audio/video contents transmitted thereto from a transmission apparatus through a network;

a storage step of temporarily storing the played back audio/video contents received by said reception step into a storage section having a storage capacity for at least one screen;

a playback step of playing back the temporarily stored audio/video contents; and

a control step of controlling a playback apparatus to playback the playing back of the audio/video contents received in said reception step and controlling, when a message representing a pause mode is received through a transmission line, said playback apparatus step to repetitively play back and display the audio/video contents temporarily stored in said storage section based on the message representing a pause mode,

wherein said image data and said message are received through different channels of said transmission line.

32. (Previously Presented) The audio/video processing method according to claim 31,

wherein said image data and said message are separately sent through said transmission line.

33. (Previously Presented) The audio/video processing method according to claim 32,

wherein said control step establishes a first channel for transmission of said image data and a second channel for transmission of said message.